

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the subject application, and please amend the claims as follows:

Claim 1. (currently amended): A wastewater separator to separate waste from a mixed wastewater stream before said mixed wastewater stream is directed into a sewer system, said mixed wastewater stream including one or more of heavy waste, light waste and water, said wastewater separator comprising:

a separation container;

a wastewater inlet to said separation container; and

a wastewater outlet from said separation container

said separation container comprising:

a wastewater stream director within said container, said wastewater stream director being sized, shaped and positioned relative to said wastewater inlet to direct said wastewater stream along a preferred flow path to permit said light waste to separate from said wastewater stream in a first direction to a collection area and to permit said heavy waste to separate from said wastewater stream in a second direction towards a heavy waste removal area; and

a flow-directing outlet baffle within said container for directing said wastewater stream to said wastewater outlet from said heavy waste removal area to remove said heavy waste from said separation container; said flow-directing outlet baffle having an inlet extending across said container adjacent to said heavy waste removal area and having a height sufficient to accelerate flow through said inlet to suck said heavy waste away ~~wherein the wastewater stream director, flow directing outlet baffle, heavy waste removal area and preferred flow path are sized, shaped and positioned so as to prevent the heavy waste from being trapped with the light waste in the collection area, and so as to cause the heavy waste to be carried out of the separation container with said wastewater stream.~~

Claim 2. (original): The wastewater separator as claimed in claim 1, wherein said wastewater stream director comprises:

a flow-directing inlet baffle and

a separation flow director, downstream from said flow-directing inlet baffle, for directing said wastewater along said preferred flow path.

Claim 3. (original): The wastewater separator as claimed in claim 2, wherein said preferred flow path has an optimized length within said container to permit an optimized amount of light waste to separate from said wastewater stream in said first section by virtue of its relatively high buoyancy.

Claim 4. (original): The wastewater separator as claimed in claim 3, wherein said flow-directing inlet baffle has cross sectional outlet area sized and shaped to slow said wastewater stream in said container sufficiently to permit said heavy waste to fall from said wastewater stream to said waste removal area.

Claim 5. (original): The wastewater separator as claimed in claim 4, wherein said separation section further comprises a heavy waste collector, said heavy waste collector being sized, shaped and positioned to remove heavy waste falling from said wastewater stream from said heavy waste removal area as said wastewater stream is directed out of said container.

Claim 6. (original): The wastewater separator as claimed in claim 5 wherein said flow-directing inlet baffle is sized, shaped and positioned so as to direct said wastewater stream to the bottom of said container at one end thereof, and wherein said separation flow director comprises an inclined ramp having a radiused upper edge and being positioned downstream an outlet end of said flow-directing inlet baffle whereby said wastewater stream is directed upward through said container by said ramp.

Claim 7. (original): The wastewater separator as claimed in claim 6, wherein said heavy waste removal area comprises a portion of the bottom of said container adjacent to said upper edge of said ramp.

Claim 8. (canceled)

Claim 9. (original): The wastewater separator as claimed in claim 1, wherein said flow-directing outlet baffle is detachably attached in said container.

Claim 10. (original): The wastewater separator as claimed in claim 2, wherein said flow-directing inlet baffle is detachably attached in said container.

Claim 11. (original): The wastewater separator as claimed in claim 1, said wastewater separator further comprising a cover detachably attachable to said container, said cover being sized and shaped to removably cover an open top of said container, whereby the light waste floating at the top of the container can be easily removed upon removing said cover from said container.

Claim 12. (original): The wastewater separator as claimed in claim 9, wherein said wastewater separator further comprises at least one outlet handle attached to said flow-directing outlet baffle so that said outlet baffle may be easily removed from said container.

Claim 13. (original): The wastewater separator as claimed in claim 10, wherein said wastewater separator further comprises at least one inlet handle attached to said flow-directing inlet baffle, so that said inlet baffle may be easily removed from said container.

Claim 14. (original): The wastewater separator as claimed in claims 2, 9 and 11 said wastewater separator further comprising a cover detachably attachable to said container, said

cover being sized and shaped to removably cover an open top of said container, whereby the light waste floating at the top of the container can be easily removed upon removing said cover from said container.

Claim 15. (original): The wastewater separator of claim 3, said wastewater separator further comprising a cover detachably attachable to said container, said cover being sized and shaped to removably cover an open top of said container, whereby the light waste floating at the top of the container can be easily removed upon removing said cover from said container.

Claim 16. (original): The wastewater separator of claim 3, wherein said flow-directing inlet baffle and said flow-directing outlet baffle are both detachably attached to said container.

Claim 17. (original): The wastewater separator of claim 16, said wastewater separator further comprising a cover detachably attachable to said container, said cover being sized and shaped to removably cover an open top of said container, whereby the light waste floating at the top of the container can be easily removed upon removing said cover from said container.

Claim 18. (original): The wastewater separator as claimed in claim 1, 2 and 17, said wastewater separator further comprising air entraining means associated with said wastewater inlet for entraining air into said wastewater stream.

Claim 19. (original): The wastewater separator of claim 3, said wastewater separator further comprising air entraining means associated with said wastewater inlet for entraining air into said wastewater stream.

Claim 20. (currently amended): A wastewater separator to separate light waste from a mixed wastewater stream, said wastewater separator comprising:

a separation container having an inlet end and an outlet end;

a wastewater inlet to said separation container;
a wastewater outlet from said separation container; and
air entraining means ~~positioned in the separation container and~~ associated with said
wastewater inlet to entrain air into said wastewater stream;
said separation container comprising:
a wastewater stream director in the container, said wastewater stream director being
sized, shaped and positioned to direct the wastewater stream along a preferred flow path which
is generally diagonal across said container to facilitate separation of said light waste; and
a flow-directing outlet baffle in said container for directing said wastewater stream from
a downstream end of said preferred flow path to said wastewater outlet;
wherein said air entraining means comprise said wastewater stream director.

Claims 21-30 (canceled)

Claim 31. (previously presented): The wastewater separator of claim 2, wherein the
separation flow director comprises a ramp having a radiused top for discouraging turbulent
flow in said wastewater stream.

Claim 32. (previously presented): The wastewater separator of claim 2, wherein said
flow-directing inlet baffle is sized and shaped to encourage laminar flow over said separation
flow director.

Claim 33. (previously presented): The wastewater separator of claim 1, wherein the
wastewater stream director is sized and shaped to discourage turbulent flow in said wastewater
stream.

Claim 34. (new): The wastewater separator of claim 1, wherein said inlet of said flow-
directing outlet baffle has a width greater in size than said wastewater outlet.

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Claim 35. (new): The wastewater separator of claim 1, wherein the inlet of said flow-directing outlet baffle extends substantially across the width of said container.

Claim 36. (new): The wastewater separator of claim 1, wherein wastewater director comprises a flow-directing inlet baffle having an outlet with a height, wherein the height of said flow-directing outlet baffle is smaller than the height of said outlet of said flow-directing inlet baffle.